Van's Harmonics and Drawing Initiatives as Language Vectors of the Arts and Sciences World Lines

Aletheia to Weak Theta in the Philosophy, and Physics of Drawing

Part 1 Pre Measure: Drawing With Words…

Dramatis Personae

Diegesis: embeddings and displacement mirrors of the narrative orderings of the art and language which is mathematics and physics in their rhetor.

Greek *genoskien* ; or navigation of kinds and fundamental clauses as tensor (combined forces)so to speak from the presocratic world line (world line formally references space time which Heidegger relates in a three fold

tensor “the being of being as being being is his post measure so to speak of Greek thinking relative Relativity… tensor from the physics point of view of his time as Alethia or the phenomenal status of embedded *diegesis* The clause could be extended n dimensionally ie the being of being of being of being as being etc as ontological rebus on Pascals triangle…to the *holnomic* (orders of kinds altering qualitative embeddings in complementary spaces content) which introduce qualitative embedding in the Space to time comport of the *Lagrangian* formalism.. thus (complementary space (ie oppositional in either quantitative or qualitative of independent functions in qualities over of independent functions of time like orders(spectral orders of difference relative topographical thinking and

normalization of potential energy and independent clauses over a directed limiting and delimiting in the time cone (ie. Riemannian bijective aspects of time in an hour glass shape moderated by a global center which projects planes from point of that inflected surface)as a genuine deconstruction to present moment which we find for example by comparing the physics Weak Theta to *Aletheia* (phenomenal status of embedded dimensions)of Heidegger in the being of being as being brought to a focal diegetic holonomic constraint of geinoskein to context between the behavior and control axis selection into n-dimensional contextualization's.

So , to repeat, we discover The clause could be extended n dimensionally ie the being of being of being of being as being etc as ontological rebus on Pascals triangle...

In a sense then the intuition that Sanskrit drawing verbs from poetry become rhetoric then mathematics and then physics could be shaken out in different ways, for example Aristotle seems intent on discovering the ontological aspect of the mathematical harmonics his culture offered in the dialectic between Pythagoras and Heraclitus. The Reimannian globe unitary with internal fluctuations which can be mapped to a surface place point of reference to implicate shared tangents between interior and surface found in the Poincare view on global statistics gives the status of tensions arriving

to *Weak Theta* that is, the structural angle which in physics creates the complementary special thresholds of the strong and weak forces.

We seem to draw from the antique ontology a continuum of the *Apeiron* or qualitative whole as it emerges and we can trace this to our mathematics, specifically “composite mapping”, and complex spaces…in wraparound functions distinguishing the algebraic from transcendental numbers which will be focused on as we go along as our *Ethisphere* or developing implicate orders…. The Greek gnomon “that by which things are known’ is a diagrammatic relating in a square field the oblong with square on each the lesser and greater oblongs within…

thus a view on quantitative complementary space.

As considered: Gnomon, genoskein, conditions of experience, tensor, Riemannian globe(and Poincare implicate order) Lagrangian Holonomic constraints, ethosphere (apeiron),Diegesis,alethiea, weak theta , eventua,world line. Presocratic noema... (last being the deepest embedded orders in their final considerations)...

Note also: a relation to Pascal simplex to complex one may align to Heraclitean rivers upon rivers in which the denominations of expansion upon simplex give a corresponding mathematics to each complex that is an independent variable with the

complementary space of wraparound in the behaviour to control axis.

the structure then is very like a black hole in which the “image” is the mathematical “image” or carrying of the kernel in the ringlets through a compression of surface by the anomalous Zeeman effect.. in terms of analogy another Zeeman namely Harry the Conceptual Art Curator In first exhibition curated artists igloos thus in our case we can pose igloos on North and South poles we can term summer and winter houses which via a kind of Hall effect through the quantum transvers have an offset at a certain angle namely weak Theta… where the Stark Effect analogous to the Zeeman is that offset thus posing strong and weak field interacting via the Higgs.

Part 2

Achilles Heel of Weak Theta

We turn somewhat abruptly, to the Character of the Higgs…whose personae is to imbue all fields with contrasting weak and strong force dynamics that is, quantitative functions which have qualitative oppositional factors forming them in unmixed to mixed states structuring the combinatorial realization within complementary functional space itself.

Fine structure constant: Notes on Winter and Summer Igloos as Polarized:

Corrects the non-relativistic Schrodinger equation after first compensating for

potential energy the spectral rings flatten their surface as essentially the global and orthogonal parameters reflect on each other a Riemann globe affine effect in that complementary function space in Morgan valence compression. Added to t https://en.wikipedia.org/wiki/Zeeman_ef https://en.wikipedia.org/wiki/Zeeman_effectf this is the Zeeman effect...

the structure then is very like a black hole in which the “image” is the mathematical “image” or carrying of the kernel in the ringlets through a compression of surface in the ordinal Dierac functional exhibited by the anomalous Zeeman effect.. in terms of analogy another Zeeman namely Harry the Conceptual Art Curator In first exhibition curated artists igloos thus in our case we can

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To summarize all this the comport of the Langlands Conjecture of relating auto morphic content to spectral can be prepared for where eyesight is bilinear wave function counting photons has in these cases as enlisted pursued to vision itself the continuance, perpetua to eventua of a hypothesis which follows as I propose to that analytic continuity originating in factorial function to Gamma and Riemann Zeta. I

introduce then a complementary space in the spirit of those we have encountered in which the function itself are become linked independent couplets and the structural referential is as simple as it can be namely to compare, as follows:

Part Three

Langlands Fallout in Orchestrated Harmonic over pi and the square root of two simply composed and relating physics cosmogenesis to that of the number line itself...

An N sequence of couplets as in base two for example but pursued in our familiar ten base and marking even cardinals may find an ordinal vectoring by recognizing on the one hand the square root of two will define mass on the sequence result of behavior axis

which tends towards the spectral while the control axis of exponential tending towards automorphic can be stated to the mass definition we recognize at square root of two by orchestrating a view on sequence as originating mass to view by a multiplying of square root of two over the sum, but of this as it were spectral version there follows another which is that since the square root of two plus unity is simplified view of Pi (which after all must always be the case of a transcendental number)... the subtracting of one couplet (as in the Zeta version of Gamma into the spectral zone of the Complex analytic continuation) then adding (rather than multiplying) square root of two thus adds pi as a view on a recognition of pi as fundamental in this potential- energy -like mathematical subspace of the kinetic value

by which the .707 of pi is founded on .101 as the square of pi in its reciprocal form or transposed matrix one might say of gnomon like view on the algebraic “I”....Of this follow certain spectral transforms in what one might call number line cosmogenesis strongly preceding in this premeasure the aspect we have seen of Higgs strong and weak field compositions on the operator Weak Thea or electro weak coupling constant which while said to be in and of itself be an unexplained angle per se may however review as follows: we see that the square root of the golden section as .788 is of the afore described reciprocal state of pi then four fold. Then also the golden section which describes in its harmonic differentials suffix forms of .0019 through .0091 all adding to ten ie .0082, 0073,.0064 etc etc composing it would seem

the fact that the golden section in its reciprocal form of .618 equals the square root of ten and of 11 summed and so it would seem referencing another “magic angle” of 1.1 which apparently marks the number lines recursive dynamic to the piecewise to spectral notations we follow in the reflexivity of thin material physics over graphene and the attendant visual tweezer mode of implementing individual atoms to raised sequences via that cloud... we see as well then that weak Theta follow Zeta essentially in that critical strip we will recognize 2.88 as it's zone to metric is one hundred times .288 and .288 is the half ratio (half life we might say) of the square root of three in reciprocal form .578. thus fifty times this the square root of three...This then is a wave of couplets which stands in relation to weak theta s itself

times seven equal to 1.618 or the golden section world line when it meets in its algebraic structure the transcendental sup-space of pi which composes as we have seen to its square root. If we turn to the number ratios governing weak theta in relation to the mass values of w bosons the ration.81 to .86 then elevate to view as Bohm remarks of implicate orders that our realization that .81 as reflective of a nine fold must then reference that numbers reciprocal which gives the ordinal tract of the 400 or so algebras as 1.2345679, the missing 8 being the magnitude devised to compare to 1 per the whole view. The three- fold then reflects on what we might call the Big Bang of the number-line namely two and three as the numbers of perception devolved to unity in the sense that a symmetric content is that

which first raises t view the unitary threshold simultaneous with three from origins in two as both the unique prime and first even. The square root of two as .707 also has an inflection of .708 and this bracket influences then the view we can make over multiplying and adding pi to the complex arriving of eventua to perpetua and these then are the parameters of my drawing as submitted.

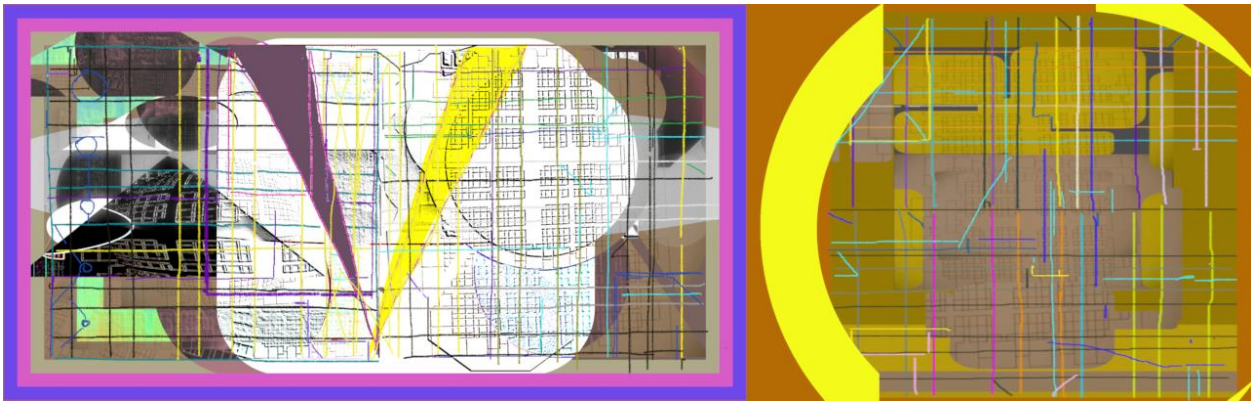
Ancilla

In this world of hyperproduction it is difficult , correspondingly, to manage a found object.. I have succeeded in founding only one, namely an ophthalmic scope as a kind of pen flashlight which has the puplil sizes in ovals upon that linear format. However that may be it figures in the drawing as an

abstraction which entangles two artists, namely Hopper and Caravaggio to the extent that the ray of darkness and the ray of light seem appropriate conjectures on these terms within the drawing meeting the weak and strong forces…. The pattern also recalls a remarkable Spartan cup decorated with similar visual portholes because likewise it has occurred in gleaning other art vectors to the drawing that in general the Greek vases seem to relate an action freeze which is characteristic perhaps of a given Sanskrit drawing verb (some 300 of which fashion our languages) and towards which or around such is the pot itself as an abstraction taken to another level… The Spartans indeed had a wry code which we have borrowed in both medical

symbol as well as that of musical ‘staves” wherein the Spartans would write on leather strips a message which then could wrap around two identically grooved staves and thus be readable between sender Bob and Reciever Alice as it were..

Found Numbers
I note the largest “found” prime number is 2 to the 136279841 minus one power and this mode seems to very similar to the tract I gave over relating square root of two at a multiplication and subtraction indexing which gives pi a leading order….



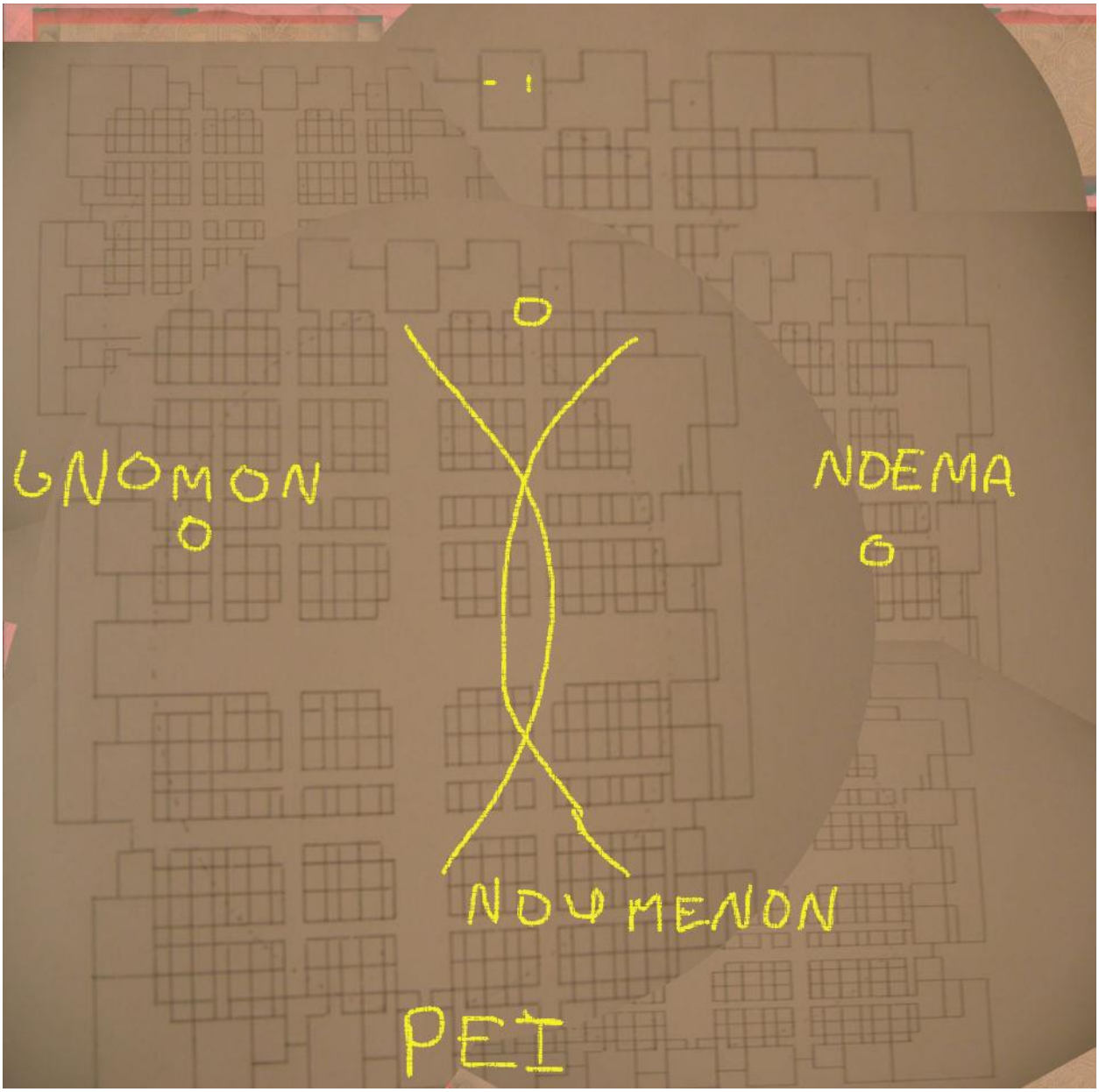
314c1

Book 2

Work To Be Done

Physics Works Mathematics
Drawing Works Research

Hyper Real Algebras
Magnitudes & Tangents Since Circular Building



A kind of circular building goes into this drawing where the format of $p^2+ 4q^2$ where p and q each are prime compose an infinite prime sequence (which I will call “primus”) is then related to largest known prime of 10 to the 136279841 power
Where first I consider two as the first prime and unique even prime which at that symmetry composes unity , while four is the square root naturally composing to all mass cross sections the square root of two while three is first odd composed to unity identified with two.
The original string then of ‘primus’ will compose an integer that can be represented in block form per squaring while the four fold will compose of this exponential axis the bahavioral below in in

n box form somewhat like the Greek Gnomon composes adjacent squares but here there is a gap or convection space which I follow by noting the distances between entries subtracting two from each prime and these differences are gaps of 1,3,6,7,9,8,4,1, and I compare this string as a kind of magnitude index with that of the exponential of largest prime thus 136279841 in that case…
Posing bijective comparisons of magnitude in first list then 1,1/3,4/6,8/7,9 then 1:1 lists unity, 3:4 lists original even sequence to original odd, 4:6 doubling odd and even give the tenfold and 7:9 are the remainder from ten after the numbers of perception 1,2,3, and nine that squared. The second string of the primus then similarly parsed to

a bijective magnitude construction impulse finds the 2;7 center a similar comparison of square root of two to the sevenfold complementary space while 27 as.27 if multiplied 3 gives .81 or the reciprocal form then 1.2345679 which is the fundamental algebraic ordinal tract…. The ends pos 1:1 again per unity, ¾ as before, six to 8 same ratio…

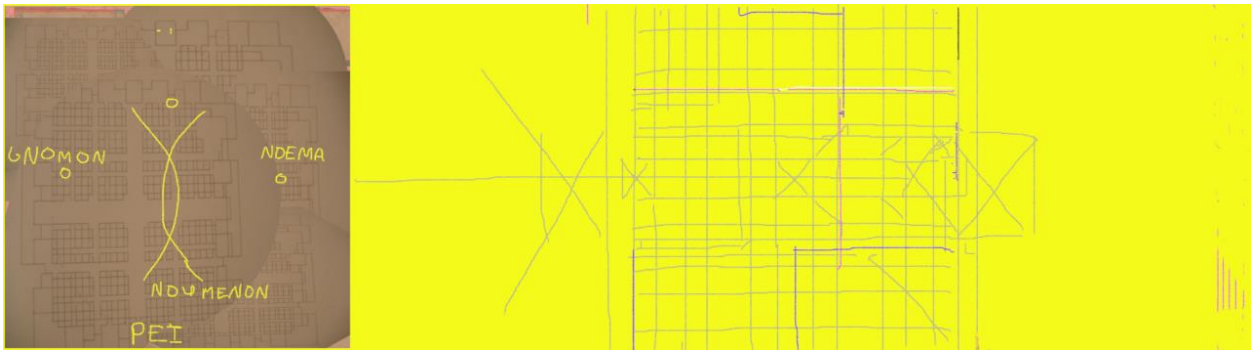
Entering the harmonic realm the prime numbers 101 (which is a “magic angle in graphene forms of thin material physics) and 231 “weak theta” or the electroweak mixing angle to its metrics find interest towards the drawing concerns in that .101 is pi squared in terms of its reciprocal (a third of which corresponds to the Muon mass and also the gap space between the

square root of five in reciprocal twice applied within unity)… while .231 times seven composes to 1.618 or the familiar golden section. 1.1 plus .618 equals 1.718 and this relative Euler @ 2.718 will compose to 1.718 in reciprocal as .582 with complement then 2.718 in reciprocal…1.1 +.618 is 1.718 and 1.1 plus 1.618 is 2.718…. thus the particular primes of .101 and the electroweak mixing angle weak theta form a harmonic continuum…

The terms at outset of noumenon, noema, gnomon, and pei reference per gnomon the Greek diagrammatic of a square meeting at adjacent angles the figure ground oblongs in a unity field composing a kind of sliding scale to center quadrants which then equalize.. noema means the gathering

sense of deepest inner meaning, noumenon is a consistency factor figuring in the word phenomenon, ie observable, and Pei is the Greek word for active transformation as we see in words like experience, paint, palette, appearance, happen, operator, pyramid, pyros , pirate… and of course the architect of the pyramid I.M Pei…
In the drawing itself I am most formally interested in how the numbers of perception 2,3, to unity gather around weak thea as that number times seven then 1.618 the golden section and the reciprocal .618 forms to square root of ten plus square root of 11 each of which are denominations of .3168 or reciprocal of pi formed of three times the gap space in unity of twice the

square root of five as .1056 and that number also the mass of the muon.



314e2

Work to be done:

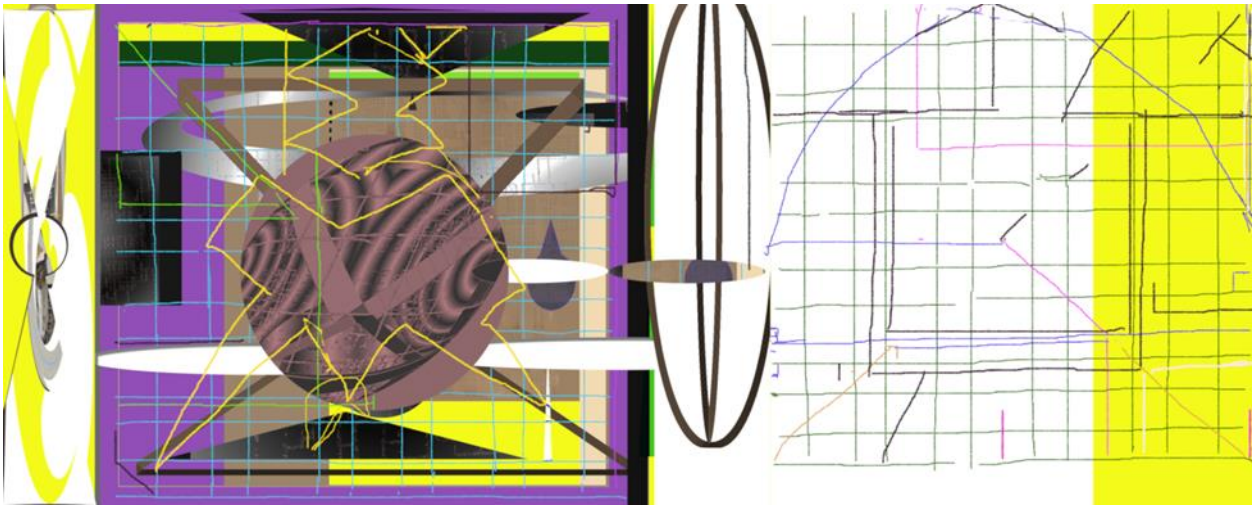
Waiting for the other String to Fall:...(from the cosmic web)... towards an Algebra to Forwards Circularly Build : let's say the bundle like projection of light from stars as suggesting a way to differentiate the Mandelbrot and also analogical Jaques tit Kaleidoscope (circular building where quadrant forms equilibrium receive a crystal like notation as extending the calculus limit of cubed root..)... and construct a kind of new algebra of our own (Hr. Algebra).. where the inversion of polygonal shapes to a star shape , and the

projection of angles that form projection spaces to the polygons function together as complex space in which that potential energy which in the einstein DE sitter view was balanced to speed of light and gravity equivalence advancing then from there to find within our project subspaces the particulars of the electro weak corrections and field to field modifications of Higgs and weak and strong force to dark energy implications in our symbol ism relating Algebras in general as tending toward either Hyper real or extension of integer values as n dimensional or else

surreal ie Dirac confinement to a unity field. An overall tension is between squaring as relating mass and mod forms introduced within sequence combinatorically but also with potential to differentiate in our starburst bundles analogy... or if the royal we gets too sticky we can just call it Van's Algebra...

The drawing takes the tact of relating an octonion vector which meeting center has a trajectory condensed to a line, like a neutrino, but the sense of statistical mapping that can be made on that world line through arbitrary dimensions representing potential

fields explicitly referential to an order five relating combinatorial independent functions over a summation per the fine constant, weak thea the electro weak coupling; the vacuum permittivity; the value of one third the complement of the golden section, and the log five value of golden section reciprocal as elastic structures in contrast with the more plastic vision of the Mandelbrot version of flag manifolds thus the bundle like extensions of the “star” vectors…



314g1

Conic Relief and Drawing Tangents On the Cosmic Eye's Foundation Flux Found-Quanta-Found Mass

This drawing takes up a cosmogenesis of the numberline through a random walk which will in the end will abstract as producing effectively those square roots in series which relate their summation to their complex form which produces an effective environment at once complementary in structure, relating modular to unitary signatures over a space with wraparound functions and itself a function. The harmonic scale produced over this is in tandem with pi as an operator of the aspect

of “covering” which produces the exponential or control axis comport to the behavioural axis. The foray has as focus of representing to Euler’s number proper its foundation in its own reciprocal presented in a tidal and complex dimensioning of the preliminary “Basel” project summing reciprocals of square roots…resulting in a tidality which is the structure of the drawing towards which the following notes nest in the drawing-as-study…

To continue:

… Bob and Alice will remember back to their childhood when they were essentially John Wheeler’s Delayed Reaction Theory (he was working with

Feynman and this becomes as well with Feynman diagrams the sense of time running forwards and backwards..... or we could as well reference Dekooning and Late Dekooning in which originally the brush stroke is on a vector trajectory encountering resistance which turns it forward or back like Newtonian gravitational masses influencing each in the gravity well, and analogical

in mathematical attractor theory the coembedding is mysterious, one could say then that movement itself exists in a kind of equilibrium granted by the Higgs as scalar field ie magnitude only

and the status of vector comes to memory at the contact with resistance which forces a time constraint to realization of mass in the perturbation and interference wherein a wave decision indicates the past as a stronger force, and the particle choice indicates the future is the greater mass presented in the perturbation as quantum equilibrium meeting its resource. Wheeler set up a screen which could be removed from a particles path as set up and doing so influenced whether it chose to present as particle or wave, the obstruction then it reads similar to the way the

number pi reads our use of it as a brane level in sequence. Late Dekooning smooths out interference and reads in the direction of the past with interferences resolved to a present equilibrium, a sense of vectorless magnitude...

With this review in mind we can approach Ethan Segals (of It Begins with a Bang) question... he wants to know if the graviton is necessary... so we will accompany the conditions of this experience as we can.. The article well lays out the paradoxes of considering a gravity particle... however it does not define “pseudo

particle” although a graviton must so be… Firstly we note… Pseudo Particles Have No Resume! They exist in the equilibrium of their own momentum like a person in elevator not knowing whether in motion… the pseudo particle covers the energy exchange of particles in their interaction but unlike the person exiting the elevator it does not even do that work, it just simple continues in its equilibrium phase and has no knowledge, so to speak of anything at all having happened It leaves, as it arrived, with no resume of work history of its own.

That said, an Institutional Critique of instituting the Graviton might well continue regarding the constitution of gravity wave interactions relative Strange Effects mathematically a series of bifurcations in fluid dynamics over a wide variety of origins upon a vector field incorporating in Physics relation to Higgs (in which direction is absent- no vectoring but rather magnitude covering eventua) i.e. to strong and weak field parsing over fields the open denomination of the strange quark and Electromagnetic scattering angle weak thea or Weinberg angle … and the gap spaces

between connected events as conductivity and vacuum permittivity which resource the Quantum Strange Number by which the Strange Quark is operator simultaneously over Strong and Weak fields. Note Strange Effects and Quantum Strangeness number can be related but are somewhat seperate ideas in general.

I would hypothesise then that the Graviton is an elastic operator of which the virtual aspect of structuring forward the vacuum permittivity or space itself may have a limit, like the Planck on scale, but place that in the context of the expanding space a kind

of fluid dynamic as ratio of that event expressed not in vector but in magnitude, but that this shows in gravity as a pseudo entropy... a kind of halo to the Higgs of collective conduction bands of field interactions at limits which return their energy minus any entropic values of potential energy but an inversion in time which is entangled to the Higgs and so the histories of interaction leave a scar on the physical worlds as gravity itself while the energy entangles seamlessly. The word scar comes from Skhar, meaning the rhythm of making... like writing or drawing...

Given the Propagation of mathematical fields and that the pseudo particle is really a mathematical convention how might one devisie an alternative to either particle or wave and n dimensionalize another order called graviton but finding the point perhaps more in the nature of a ‘saddleback point in which the surface of a hypbolic parabula or saddleback has as points a bifurcation value in terms of magnitude…that is, devise a saddle back universe to presentation…? The possibilities of a universe as flat seems to be the accepted matrix thus equals one, a

saddleback less than one and a globe shape greater than one… The beam splitter device in Ethan’s article comes to the rescue however in that it proposes in its aspect as a variation on Wheelers Delayed Reactions

An artistic projection saddleback and global modes to the flat view as the affine projection in compact complex form… covering essentially in this selection these forms as “operators” over all mathematical n dimensional fields, as their gravity referential to physics. Gravity then is a strange operator. The Ethan article ends with view towards future experiments determining a quantum system self gravity signature… Since neither gravity nor dark energy are explained they are a pair of notable singularities, can these singularities Merge? That is . let

gravity be the pseud entropy of particles equivalent to speed of light as massless.. the speed of light squared plus the vacuum permittivity is 2, the value needed for the graviton. The vacuum permittivity varying over fields then suggests a wraparound effect by which interactions of fields read time to an entangled state over the gap spaces of events whose convection then like the pseudo particle is then the pseudo entropy which is the graviton identity considered after some post measure combinotropic view over a particle as referential to a saddle point in a

projection to the flat universe as its affine plane.

Operatives of Drawing and Language

The idea occurs of using the idea of the “model” in this case the behaviour and control axes of mathematics related to the idea of gravity in physics as a series of interwoven models … in drawing, one may use the pressure of ones hand, to model the sensation of marking as though pressing and releasing into clay and “modelling ,” similarly paper space. The modular is the sense of incremental pressure, just

as one can increase ones weight on a scale by pressing…utilizing gravity to draw out a number….The mathematical control axis, or number of embedded operations, are like the pressure of the hand, while the control axis of exponentials over these permutation as the cardinal points over the ordinal are altogether analogical then to a physics space of the permeability of the vacuum so to speak… and in this regard exist two institutions of strangeness, Strange Attractors in the behavior axis which mathematically are essentially ‘rings” composed to the variety of

mathematical avenues and types , fields and vectors. while in Physics the Strange number relates the Strong Force to the Weak Force.

Simplifying the whole view: consider the relation of massive (real) particles and massless pseudo particles or the interjection of the permittivity of the vacuum to adjusted levels of field consonance... recently discovered are a relation between these aspects in thin materials where mass develops in one direction accordingly while yet in another the vector is massless ... does this suggest perhaps that gravity likewise is itself a mean over just this

set of events to which we might add a rebus or double meaning with crossing axis simply corresponding to the strong and weak forces as a complementary mean? But the mean of mass and massless particles requires qualification: the massless receive numerical value via their mod.. thus the unity function states mass and the mod functions gives a number outside of mass... how then does one relate these two types of numbers? Strange Attractors or ring functions are essentially massive. One would have to say the massless numbers are essentially affine projections such as

simple manifolds which in projections have a Hall like effect of modification similar to spontaneous symmetry breaking.... **Mass to massless is a superposition, entanglement is massive, and mass to masslessness is a form of complex value**. *Gravity is the subjective mean of a recursive and dependent function at its affine projection which is always already present to observable phenomenae in the dynamic of a conversion to strong temporary independent function*.

A mathematics will be alternately recursive as distributing within unity its function as dependent, while

multiplications create a module which may exist in that state of extension, the former, one might think of pi formed per calculus on the one hand and on the other hand that actual embedding of pi within harmonic process which shows in analyzing constants. The Pi convolutions will be massive, while modulus are essentially non massive, but with a permativity index according to the nature of space itself generating vacuum permittivity to the indices of fields and these promote the eventua of independent functions.

While the Sigma Barions structure via the Strange quantuom number the parsing the Higgs makes over the strong and weak forces to fields there is the complementary function of the charm also sigma barion which moderates the electro weak to magnetic force as a kind of devolvement of the original separation at Big Bang between the two creating the X field which figures in that control factor over creating muons which originally was the postulation in an aesthetic form of the 8 fold way or perception of a qualitative octonian to be over the Hamiltonian which

eventually was indeed the successful prediction of the charm quark from aesthetic resources... to which then it would seem we proceed in a similarly aesthetic way to give to the quartonion double axis of the Hamiltonian in addition to those pursuant indices modifying the Schroedinger equation ie the Lorentz,Furier,Dirac and also Strange Attractor mode(recognition of mathematical rings initiating a Langland type theory of everything) our own intuition that gravity as a mean function viewed left and right as it were to the axes of the strong and weak arm of the x and also the opposite diagonal

axis of our x mass and massless superposition of particle and pseudo particle as tangential but also fundamentally different as an independent function from the familiar particle anti particle but with perhaps some structural affiliation to resolve further....

Drawing Arts of the Cubist Saddleback Universe Revisited

The drawing gives some harmonic numbers a convolved history as massive in their active comport between behaviour and control axis and referents to analyzed and functionally evolved constants between independent and dependent status of an observational matrix, unity system, or

projections. A focus on projection brings a view modified to the massless eventua to their perpetua. Between the two a construction over the octonion traces the familiar Hamiltonians to the more subjective and hypothetical consideration of considering gravity as a mean structure over the mass and massless modes and strong to weak force referents. The formal approach then is essentially that of the Semi Dirac Fermions conic structures of essentially a time cone revisited from the Minkewski origins slated to Relativity to Riemannian critical strip devolved a saddleback point concept which has it's own trace as finding of the three possible universes, spherical, flat,(the accepted maodel) and hyperbolic edged...as

‘drawing” upon the flat the others in a saddleback in which the nature of the hyperbolic parabula saddleback traces at center points which rise in one direction yet falling in another , indirectly analogical as well to the mobius and spinor rebus. Additionally, those harmonic number with characteristic suffixes demonstrating tenfold .0019, .0028 are studied to the forms where added to unity they give a Hall like effect of finding very exact Taylor derived modality internal harmonic division like Landau levels in numberline comport as it were or the fractional version of Gallois numbers might be another analogy to state the same.
The condensed physics of one axis and high energy of another implicit in the Semi

Dirac analogy propitiate saddleback points in my version as neutrino fog generated with cosmic expansion to a condition is not necessarily a big bounce but rather a Strange Attractor Elasticity Bundle , the Big Bang as actually a stretching out can therefore meet elastic dimension comport (strange attractor) which would become truly n dimensional mathematically and physically… thus dark matter and light and gravity elicit a view that this is a broader spectrum which meets new physics bands on those dimensions… a return so to speak on Onsager Reciprocal Relations in which forces out of equilibrium have local extension (that locality being the interesting issue… we are as in combinotropics inventing new ways of

measuring so to speak, fantastic twisting cloverleaf highways to everywhere… The advanced spectroscopy of our cosmic survey begins to easily introduce more naturally the elasticity of string theory for example into a visualization scheme with an inviting critique.

Part 2

Imaginary Skin and Mathematical Hall Effect of Parastatistics between Flux and Localization.

Towards linking unitary and mod structures Eulers number places" two " ie 2 as referencing thereby its status to mass of relating two to the square root of two as the square root of two relates to all masses, and the repletion of 1828 indicates an introduced mod form which in the

mathematical space can be thought of as squaring and which in fact is the number of the slow electron mass (which also has a faster vector and also a near speed of light observable signal as an overall spectrum… I pair Eulers natural exposition of square functions with Pi as thus two transcendental numbers which generate a kind of potential extra energy or non Hermitian content as a “skin” The pressure of this development relates centrally to a gap space function which occurs thermodynamically in star formation and fission, and mathematically in pair distribution to square field in the mirror thematic of bijective magnitudes toward bifurcation energies. This transcendental number content might be thought of as

analogical to the weak force and its devolvments between and of magnetism and electro weak fields over which the contributing Higgs is not itself Universal…and in relation to these transcendetals then the logs of the golden section as algebraic and Hermitian devolve to an analogical strong force. The indexing of the gap space as projecting something like saddleback points of a critical strip continues the time cone to its inevitable Onsager statistical spaceof the SemiDirac Fermions meaning these to -be -explained terms are localizing energies out of equilibrium into a flux field of momentum dispersion.
Cosmologically the golden section has very specific nodes: its logs are at the indices of

the Strange number, the Muon, and Weak Thea the electromagnetic scattering for example(know as Weinberg angle)… and also the gamma ray value is that of the .1828 value one may extrapolate of Euler's number and in reciprocal as 5.466 the suffix times ten is the Feigenbaum bifurcation constant… (I will detail those numberical observations as I go along…)… And accordingly as one invest a view into the nature of eigenvectors and values there emerges the reflections that For example: it is "sheer Mapping ' which conditions the understanding of a Minkewski time space diagram toward the Seimi Dirac Fermion relating on one axis the squaring

comport relative progress the hour glass versus linear circle at base... which stands in mathematical notation generally as composite mapping and the dynamic and static axis show in the saddleback and hyperolic parabula context as the form to critical strip finding saddleback points. An understanding of Bundle extensions upon process lead to a third class of particle understanding yet over the two, real and quasi in the form of para particles...

In a sense we can quickly orient: just as electricity moving moves its field so does the Schroedinger equation move

its quadrant and half plane apriori affine projections.

For the sake of the drawing I consider the inverse square law as structure of the SemiDurac Fermion in the vertical direction relative an hour glass disposition or cone considered from the Minkewski space time formalism while the base circulation gives the linear non mass direction. The smooth dispersion of energy in physics is the mathematics of the integral.. I relate weak Thea plus the fine structure constant as equaling 2.718 or Eulelers number and so consider the harmonic details of the natural log in relation

also Eulers Basel problem solution over summing reciprocals of squares because the latter discovers pi squared or .101 as .606 by my approximations which yield of the latter number 1.65 where .65 is three times the golden section while .101 times seven is the square root of two so also does the complement of .606 as .394 doubled is .708 giving left and right version of the square root of two where two itself is the original and unique prime also posing essentially 1 and 3 as genesis. Taking a look at Euler’s per 2.7182459045

Framing 2.718 as mirror of .8172 the latter has .1828 as complement and itself as 1.2236 doubled will be reciprocal of square root of six while .1818 times 8 will be 1.46 or ten times the fourth spiral of .618 the golden section reciprocal form. At the same time two is twice unity contrasts with .1828 repeated as mod form repletion of binary combination, and .1828 itself is the value of a gamma ray and squared the reciprocal of speed of light. Some particles which relate closely to the golden section are the Muon whose .1056 mass value is gap between twice the reciprocal of square

root of five to unity and tripled is the reciprocal of pi... The charm quark is approximately .788 is 4 pi and reciprocal of golden section which itself is the square root of ten plus square root of eleven the first being reciprocal of pi times ten and the latter unity plus the reciprocal of pi.... It is also close to .7854 or the complement of the reciprocal of the Feigenbaum and .7854 times four is Pi... /therefore the charm quark seems a kind of prestidigitator toward spontaneous symmetry breaking and affiliation with Weyl spinors....

Gnomon’s Nomenclature
Deconstructing Euler’s Number

Having observed the underlying nature of The Basel Problem ie the summing of the reciprocals of the ordinal integers as in fact being the form of the reciprocal of Euler’s 2.718 opening on the series in its reciprocal form if squared then the Basel .606, remembering then .101 is pi squared, .707 is the square root of two which corresponds to finding the diagonals of masses at their cross section in general… we can turn to an interesting deconstruction by which our document so to speak is the Greek

Gnomon “that by which things are known” which is that diagram Lewis Carol hints at by diagonally adjacent chess boards, on larger, one smaller…the Greek Gnomon diagrammatic proper represents an orthogonal oblong in a square field of which then the remaining or complement area also an orthogonal oblong(rectilinear shape)… and squares applied to the sides of the respective shapes will produce two different sized squares or chess boards so to speak with a diagonal passing through both at vertices points. While the the two squares are

different sizes the remaining areas, on located on x axis and other on Y are both equal areas locked to their squares ie side and bottom e.g. y,x...or calculus adjacent and opposite.

A Bridge of interest can be built of this to the inverse square law by taking a composed rectangle say divide the golden section by two and so have .809 and add this to a square (sounding familiarly “Euler”?)... then of this rectangle complete to a square area.. then the remainder will be the inverse of .809 or 1.236 plus unity meaning that square area we previously described as locked into the

oblong orthogonal rectilinear shapes. In this way a modulus can be statistically reconvened into this ongoing series infinitely as one desires to select differences or continue “smoothly”.... This then is a better rendition the natural element of the natural log than is often given.

As Feynman considers the dynamic of the inverse square law he concludes his own sharp turn towards observational analysis sourcing numerical inputs and out puts and concludes often the mathematics is in a more mysterious realm . However in the newer thin materials physics and

quantum speculations philosophical aspects and mathematical cosmogenesis become a different generation of physics where an infinite production of Feynman diagrams cannot maintain sway they themselves are more important as philosophical objects not so different from a certain perspective than string theory as far as theory itself is concerned.

The mysterious gravitational constant for example is in reciprocal form .149 and this times three is the reciprocal of the square root of five...we can review Eulers number as having a complement to its reciprocal which is

8 times the complement of the Feigengbaum, and the nature of that number defining bifurcation values and e towards coloumb coupling suggests the triplet view of square root of five rendered to the gravitation constant renders a center to edge comport of the Reimannian critical strip linked to Eulerps in which the disposition of post 3 integers to meet 13 as a quantity in the bijective lensing and that numbers square root link to a three fold combined to the Basel spectrum is for example beginning to be a productive observation right there... I begin my drawing with a

number Feynman finds inexplicable, namely 1/142 time ten to 42^{nd} power representing the ratio between the attractive force of gravitation and repulsive force of electrons and he is justifiably bewildered by the long exponential... (and in fact many if not most constants have large number forms)...yet in the spirit of mapping and adopting an absolute value Galois like frame of mind .417 divided 42 states the structure of the gap space subject to inverse square law where 42 considered in base ten thus ratio simplified yield 9.927 which is the gravitational constant plus one

therefore from what we know about the Gnomon we can compare 8.927 as the vacuum permittivity to its metric and realize should in the guise of the gnomon add unity to 8.927 then its complement precisely is 8.927 in the analytic continuity. Therefore on a mathematical basis we now see that the ratio of gravitational attraction to that of electric repulsion stand together in relation to vacuum permittivity as their complement.

Comparing this Euler number structural observant with the Semi Dirac Fermions which structure an hour glass shape with a massless

dimension as that which circles a cone and a mass in the opposite directions which approaches space through no less than the inverse square law of mass… an intuition dawns: Consider Pi as operative of covers…. We see this with the Basel perception of Euler summing the reciprocals of the integer squares (corresponding to the structural spin of “bosons’) e.g. .606 and this relative square root of seven .707 where all in all .101 is the reciprocal of pi square why not create the Pascals triangle analog on these as doubly analogous to Weyl bands.. but with a mirror form of that four Pi form

.788 which is the square root of the golden section itself the square root of 11 plus that of ten each referencing the reciprocal of pi ie the latter unity plus pi and the former a tenfold of same. But as a kind of critical strip towards a magnetic like canonical if we add .606 and .707 the .1313 relates approximation of thirteen to those bijective couplings formed in the integers following the formative triad of 1,2,3) as previously detailed. And .788 added .707 is .149 the reciprocal of the gravitational constant to its metric of which that number .149 times three is the square root of five. This in turn

suggest that the famous inverse square root is subject to any number of subspaces in a boson like integer compare .606 = Basel to .149= gravity and summed .755 times three is 2.264 or two plus .264 the latter times ten the square root of seven of which subtracted pi squared divided by ten is the Euler’s number. Thus mathematically gravity seems the functions dependently ranged between three times the square root of five and six times pi Squared.

Part[i]

some notes regarding the article

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Transport chirality generated by a tunable

tilt of Weyl nodes in a van der Waals

topological magnet

this article like the one headlining Semi-Dirac Fermions brings one to our very current physics authorship at time of this writing

The golden section harmonics grid I use is essentially Hermitian, complex anomalous structures are built through a kind of Hall effect in the complex field which can be built then upon this fundamental harmonic per the variation.

As a Hamiltonian distinguishes first time and then in variations phases over time and their Markovian or stochastic versions so then is that array a kind of field of anomalies over which topological bands or gaps give bridging intervals such as the comport to The Basel problem mathematically and the relation in physics to the vacuum permittivity all of which I handle in general through a plastic to elastic dichotomy within the

harmonic grid stemming from pi as an operator over cover and the square root of two as at origin the unique even prime.

This mathematical harmonic instrument I devise stemmed from working as a post art school graduate in the architectural office In NY of Gwathmey Siegel, and their link to the Ny 5 was that of a much shared underground text “Dynamic Symmetry by Richard Hamblton ” which I then used to create my own golden section harmonic grid which I will describe briefly as composed on the log forms of the golden section to itself and also to its parent structure the square root of five, the first sequence is post 1.618 then .618,.382,.236,.146,09, and the second

sequence is .4472,.2764,.1056,.0652,.0248,.0156,.0082,.0073,.0064,.0055,.0046,.0037,.0028,.0019 and a structural clause in the range of .0073,.073,.73,.703 ,.7003

That is , the inscribing of the series at any of the intervals can be controlled to present any proportion, up to the size of split pencil point and so interesting physics values turn out to be harmonic and one can actually draw the proportions of the Planck,, Gravitational constant, Coulomb, Vacuum Permitivity, speed of light in vacuum, pi, Eulers, The Feigenbaum Constant, all the particles and bosons, and so forth. The relation to the Greek Gnomon within this system

makes it essentially Hermitian.. but it can read as well the complex values of anomylous non Hermitian phasing (for example the smaller values if placed to unity will Taylor like produce clear Harmonic spectral lines in a stochastic order..

So from this preliminary I can turn to the article which speaks also of a kind of bridging of systems.... I admire the articles description of Weyl bands as “topologically protected” and one must bear in mind a kind of Langland like relation between the spectral and automorphic values in convection bands, vacuum permitivty, Cooper pairs and Johnsonian junctions and Casimir Plates

and cyclotron effects towards spinors etc. per the overall mobius rebus...

https://en.wikipedia.org/wiki/Spinor

https://en.wikipedia.org/wiki/Causal_structure

of Lorrentzian manifold...

https://en.wikipedia.org/wiki/Causal_structure

smooth, differentialble...

Before I approach the specifics of the article I should first lay out the parameters of a kind of algebra that occurs to my harmonic system which becomes my survey over focal points such as then may spur a dimensional spirit over gravitational potential and

tidality of effect. Most primary is Pascal's triangle and the simplex to complex imperative and "implicate order' as Bohm puts the aspect of raising to view... this raising considered mathematically as boosting is the progression of the triangles n box channels or unitary distinctions at the top will pass through the center as a critical strip In which then primes will be met as a particular boost function while the mass value of the strip meeting by brane its own progress reflect the square root of two in a tidal function to each centered n box manifest odd numbers and thus their square root form to complex plane and in a complementary mathematical subspace

the primes coexist. A left to right view then over the critical strip will provide counter facing angles whose variety in a phase function dispersal of the phase time Lorentzian over original (i) value of Hamiltonian introduction of time as such (i) accomplish precisely a spinor space and this as built over then the manifold which is the implicate order of Pascals triangle is the structure of Weil points which effectively may be considered saddleback and orientable to a hperparabolic spatial concept intercepting the Riemann critical strip. Thus the boost function is topologically protected as automorphic while the phase determinations are potential

gravity construct to limits of the proper space of the n box sequential form. An angular mirroring then provides through the n boxes a hyperbolic space which distorted to bundles are then the variety of recoils harbored within gravitational attraction as diffraction from limits pulled timewise to boosts and this departure from Hermitian model structure to Markovian events model the nature of quanta precisely by inventing wave functions to cycles in orientability of the integrals. Ultimately one can see that via previous discussions I have a Gnomon nomenclature subspace embedded as an implicate order modified to a post hermitiian via the tensions between

plastic and elastic orders existing naturally within the harmonic ordering of discriminating spatial points.

These points of discussion then intercept the Article as we can proceed to interview...

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Within its introduction the Article in an indices of anomolous effects produces towards my particular interest ” the magnetic helicity transfer in the early universe due tochiral asymmetry in cosmology” meaning the decoupling of the weak magnetic force to produce another category x... we have strangeness to thank for this...instability in early universe decoupling the magnetic from

electro weak forces, iso spin and electro weak forces to W and Z bosons then the estate in the half integer spin of quarks to unitary of boson one may compare to a cosmogenesis on the number line where the number two as unique even prime is first order followed by unity or one as its description and three the continuity.

Parentheticially....:

The three quark model over isospin, hyper charge and strangeness gives a three body potential chaos which meets the quasi particle mathematically ambient space in the paradox then of equilibrium as low energy or equilibrium as balanced high energy clauses...weak thea or the Weinberg angle if multiplied by seven is

the golden section and the sevenfold harmonic aspect can be traced productively to considering the definition of weak and strong forces. A weak force is defined as much less than the speed of light times the Planck and a strong force will be at about that level of stiffness e.g. Planck divided C.

Observationally....

:the metrix planck times c as .0135 if doubled is .027 and this times three shows w..081 the relation of the sevenfold nature of ordinals where .81 or nine cubed divided ten is in reciprocal 1.2345679 and the missing 8 in sequence references its self mapping thus in Eulers numbe r 2.7182818 the reading bijectively

of .81 as described and .018 added .5 then the goldens section wherein the unity and modular clauses coincide thus the characteristic enclosure to masses considered in sequence mod or unitary ambient space or progressive. On the other hand the Planck divided by C gives their own relative stiffness as 1.986 and .986 as approx. 1.01 is ten times .101 where .101 is pi squared and times seven the square root of two... relating to weak thea which at .127 times seven we have seen golden section while its reciprocal 7.854 aprox is then 10 time .7854 which is the complement of the Feigenbaums reciprocal and .7854 time 4 is Pi, while .788 the square root of the golden section

is 4 pi in reciprocall... 4 pi being the existential state of calculus before one moves to Normalization hyper n dimensional concerns...

In the Article the Nambu Goldstone boson is of importance... parenthetically I like that title because it is resonant to “nambutso” the mantra of the Japaneses Amida Budha sect: the general idea of the NambuGoldstone Boson is a sensitivity to susceptibility to change and in this reminiscent of the the Budhist of the faculty of being as “ all liable to change and cessation”..

As a premeasure then we could say that the tidal continuity of shock waves from the decoupling of fields in the early

universe may present to our view of mass and massless particle orientation such as is subject of Article via a resonance projected by Higgs field in presenting weak and strong forces to fields which will reassemble to complex quark activity generated in particular by finding the Strange combinatoric which actually originally was hypothesized as an “8fold way.. from Budhist ideology…Feynman detested the idea and initially skeptical of quarks but we redirect to his involvement with Wheeler and the post action decision of the particle thought experiment… finding on our own lights the coincidence to consider of the (magnetic) fields moved as created in relation to the

sinugular altering of the vacuum permittivity by spontaneous and direct symmetry breaking as observed in the in Nambu Goldston context which Article opens with... and continues: to relate the splitting of energy levels to rotational structuring of the application of a magnetic fields which then builds up a heysteriosis of the added force which can be tuned via the diagonal build up to cross midline by control and these controls and offset build up and transmission have a build up in materials with a counter conical transmission line structure analogous to time cone doubled or reflective and reflective also of the recent semi Fermi materials

creation of particles massless in on dimension and massive in another.

My drawing refers to these initiatives in a context of a certain deconstruction which is to recognize the control over maxima and minim levels in physics will inevitably come to distribution lensed through Eulers's number and proceeding to a Langlands Project sympathetic approach we see that Fermat first recognized a maxima and minima content as originating with the earliest Greek authors ie Diaphanous and Euler's number of course creates an extremum function. Similarly, the references I make to the Greek Gnomon were apriori of Pythagoras's fronting of the theurum

bearing his name which because of the expropriation had Heraclitus apparently naming him “prince of imposters” while giving his own alternative that any point on a circle can be its center. From the point of view then of the Langlands project which is to consider the topological morphologies of the automorphic and spectral views I turn to Eulers as generally presented from the point of view of the minimum and extremum but that its more spectral qualities contain a reference to harmonics and thus between the tensions embedded between pi and the square root of two and the numbers of perception as I will call them,1,2,3. I give

an analysis that is the spectral and continue the same inclusions over the array of constants. In the quotiation of recent thin materials Heraclitus view on point to circle projects a kind of conics while the Pythatorean gives us inverse square law application these essentially automorphic and spectral respectively... with then as 2.7182818284509 presents a palendrome, a complementary space and a mirror structuring an ordinal tract. The Palendrom is that of of 2.718 and and .8172 (I place the decimal as a limit for the comparison)... of which the number .1828 is the complement of .8172, and the mirroring of 81 and 18 which follows the palindrome introduces .81 as in

reciprocal 1.2345679, the missing 8 representing a phase length thus a 1:8 position placing a brane to the seven fold. This seven fold in relation to the numbers of perception wherein two as the first prime and unique even number is followed simultaneously by one as its unity structure and three the projection two being the square root of four introduces the relations following of odds, evens, primes, roots and square roots. The hyper abstract number one exists in a subspace including also (“I”) and zero… so to sum up the introduction post three of seven gives brane 8 and we can recognize of .8172 that in reciprocal 1.2236 if doubled is 2.4472 and this is the

square root of six. Euler’s number in reciprocal is itself the reciprocal of the square root of seven minus .0101 and .o1o1 is the tenth part of .101 which is the reprocal of Pi squared… thus the brane value of the complementary space of the numbers of perception 1,2,3, and the tenfold of the natural numbers ordinal tract are scoped out by Euler’s number. Which in reciprocal form is .3679 and the square root is .606. Also, just as .1828 is the complement of .8172 in the palindrome so also is .28 the complement of .718. The square root of .28 is .466 and ten times this is 4.66 or the Feigenbaum and that number in reciprocal .2146 has complement .7854

which times four is Pi.We have seen the Basel project on which Euler originated the number was in that case the projection of the cubed roots of the ordinal counting naturals and that number 606 then we see as six times pi squared just as the square root of two which foundations the evaluation of mass in the inverse square root laws is seven time pi squared. In my drawing I form the area of .606 relative the square root of the golden section because .606 in reciprocal is 1.65 and .65 is three times the golden section, while the complement of .606 is .394 and this doubled is .788 or the square root of the golden section. Together then they interestingly form to

.788 which in reciprocal is 12 times .1056 this being the interval between the square root of five reciprocal twice in unity, and this times three is the reciprocal of Pi thus .788 is 4pi and is placed then in drawing relative .606 which is 6 times pi squared. The drawing then continues to view the spectral presencing of the golden section harmonics over various Constants of physics... This is an interesting “tropai” or reversal in that the Constants constructed over measures in physical experiments present mathematics as an antecedent measure over the actuality of the experiment then turn per the analysis as I give in spectral terms instead a kind of cosmogenesis of the number line itself.

For example:

.1056, the measure previously noted as gap space to twice applied square root of five in unity space is the measure of the muon

The ultra famous ,hyper interesting Weinberg angle of electromagnetic coupling of strong and weak forces through the Higgs to three dimensions is times seven the reciprocal of the golden section

The charm quark is the .788 value which is the reciprocal of the golden section.

The top quark ratio of 1.73 is the square root of three

The Bottom quark at .418 times seven is 2.927 and this doubled as 5.854 is is 4 plus 1.854 where 1.854 is three times the reciprocal of the golden section.

The Bohm magnetic value of 9.27 is ten time..927 and this is five times 1.854

The vacuum permittivity at .112 is in reciprocal 8.927 and this doubled as 17.854 is ten time 1.7854 where .7854 is the complement of the Feigenbaum and time four is pi.

The Planck value of 6.62607015 presents a wraparound or feedback value of .0156 that number relating to the previously described .1056....0156 is the perfect square 64. We can see .1056 compares to .0156 in that .01 and .10 (Pauli Clifford

matrices) adopt .0056, and .56 square equalling pi .0056 the hundredth part. .1056 plus .0156 is is .1212 and times five .606 the Basel problem presentation of the summed reciprocals of natural counting number square roots and six times pi squared. When the .015 at end of Planck meets a feedback six at origin the next term .62 is approximately the golden section.

The Gravitational constant 6.67433 is in reciprocal .1482 times ten is 1.482 and .482 times three as 1.446 aprox 1.4472 or unity plus the square root of five reciprocal. The complement of .482 is .518 and in reciprocal 1.927 which equals .65, plus .64 plus .6336 where .65 equals

1plus three times the golden section, .64 equals 1.56 and .56 squared is pi, while .6336 is two pi and half the square root of the golden section .

The golden section itself is sum of square root of ten and of eleven, the first in reciprocal ten times the reciprocal of pi and the later unity plus the reciprocal of pi.

If we take the counting integers past the first three their progressing bijective pairing will equal 13 ie nine and three, six and seven, seven and eight where thirteen in reciprocal is 3.606 and .606 the Basel number and six time pi in reciprocal squared.

Higgs vacuum expectation value of 246.22 in reciprocal .0404 plus .101 is.1416 plus three is pi. .0040614 inversely squared four times is .708 or a right handed version of the square root of two

Numberline ten fold.

Introducing a Time Crystal Drawing Spectra of Displacement Mirror Rim.

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. Time crystal: ∞

In the drawing I consider the term in Ehler's number repeating .1828 as complement of the .8172 side of the

present palindrome to 2.718 and .1828 times 8 equalling .1.46 where the overall distribution of the term relate 8 as brane to the square root of seven of which Euler is that number minus .0101 or tenth part of pi squared as that subtraction ratio. 1.46 divided tent is the fourth spiral of the golden section and these droppings of levels are crystal like...while the number is transcendental, therefore, for the drawing sake... I refer this to the idea of a time crystal where a low energy level precludes further dropping of energy levels and in a sense distributes in the value of space itself refer then the value of the Hubble constant as indicating that dark energy value which would be

substrata of the vacuum permittivity The two values divided give 651.7854 ie 73 the Hubble divide .112 the vacuum permittivity and that number is divided 100 then 651.7854 of which .7854 is complement of the Feigenbaum and times four is pi. However the tenth part of the original number as aprox 6.518 shows .518 as a reshuffling of 1.854 into .718 plus .618 plus .518 and that last as 1.927 is composed of .65 plus .64 plus .6336 of which .65 is unity plus three times the golden section, .64 is unity plus .56 which squared is pi, and .6336 is unity plus the square root of three, and my hypothesis is the value of these as square, unity as mod, and square root of three are values

over the numbers of perception which relative the vacuum permitivity show an inverse structure by its doubling to17.854 which divided ten is 1.7854 is at that point a time crystal composed to and by dark energy relates the values of pi times four and pi squared for example as the Mexican Hat form of Goldstone value distribution of the Higgs the drawing chose at outset and proceed to relate to time crystal numbers described in the graphic invention.